

**CLAIMS**

What is claimed is:

1. An asphalt paving method, the paving method comprising the acts of:
  - (a) laying an uncompacted asphalt mat on a sub-base, the mat having an  
5 upper surface;
  - (b) applying a liquid sealer on the asphalt mat; and
  - (c) compacting the asphalt mat.
- 10 2. The asphalt paving method as set forth in claim 1, wherein act (b) includes spraying the liquid sealer on the asphalt mat.
3. The asphalt paving method as set forth in claim 1, wherein act (b) includes coating the asphalt mat with the liquid sealer.
- 15 4. The asphalt paving method as set forth in claim 1, wherein act (b) includes spreading the liquid sealer on the asphalt mat.
5. The asphalt paving method as set forth in claim 1, wherein the liquid sealer  
is a coal tar emulsion.  
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6. The asphalt paving method as set forth in claim 1, wherein the liquid sealer  
is an asphalt emulsion.
7. The asphalt paving method as set forth in claim 1, wherein the liquid sealer  
25 includes a plastic material.

8. The asphalt paving method as set forth in claim 1, wherein the liquid sealer is a genite.

5 9. The asphalt paving method as set forth in claim 1, wherein act (c) includes rolling.

10 10. The asphalt paving method as set forth in claim 1, further comprising, before act (b), the act of partially compacting the uncompacted asphalt on the sub-base.

11. The asphalt paving method as set forth in claim 1, wherein a plurality of voids are defined in the asphalt mat adjacent the upper surface, and wherein act (b) includes filling a portion of the plurality of voids with the liquid sealer.

15 12. The asphalt paving method as set forth in claim 1, further comprising spreading an aggregate on the upper surface.

13. An asphalt paving method, the method comprising the acts of:

(a) laying an asphalt mat on a sub-base, the mat having an upper surface;

(b) partially compacting the asphalt mat;

(c) applying a liquid sealer on the asphalt mat; and

5 (d) compacting the asphalt mat.

14. The asphalt paving method as set forth in claim 13, wherein act (b) includes rolling.

10 15. The asphalt paving method as set forth in claim 13, wherein act (c) includes spraying the liquid sealer on the asphalt mat.

16. The asphalt paving method as set forth in claim 13, wherein act (c) includes coating the liquid sealer on the asphalt mat.

15 17. The asphalt paving method as set forth in claim 13, wherein act (c) includes spreading the liquid sealer on the asphalt mat.

18. The asphalt paving method as set forth in claim 13, wherein act (d) includes  
20 rolling.

19. The asphalt paving method as set forth in claim 13, wherein the liquid sealer is a coal tar emulsion.

20. The asphalt paving method as set forth in claim 13, wherein the liquid sealer is an asphalt emulsion.

21. The asphalt paving method as set forth in claim 13, wherein the liquid  
5 sealer includes a plastic material.

22. The asphalt paving method as set forth in claim 13, wherein the liquid sealer is a genite.

10 23. The asphalt paving method as set forth in claim 13, wherein a plurality of voids are defined in the asphalt mat adjacent the upper surface, and wherein act (c) includes partially filling a portion of the plurality of voids with liquid sealer.

15 24. The asphalt paving method as set forth in claim 13, further comprising spreading an aggregate on the mat.

25. An asphalt paving method for paving an unpaved road, the method comprising the acts of:

- (a) laying an uncompacted asphalt mat on an unpaved sub-base, the mat having an upper surface;
- (b) applying a liquid sealer on the asphalt mat; and
- (c) compacting the asphalt mat to provide a traffic surface.

26. The asphalt paving method as set forth in claim 25, wherein act (b) includes spraying the liquid sealer on the asphalt mat.

27. The asphalt paving method as set forth in claim 25, wherein act (b) includes coating the asphalt mat with the liquid sealer

28. The asphalt paving method as set forth in claim 25, wherein act (b) includes spreading the liquid sealer on the asphalt mat.

29. The asphalt paving method as set forth in claim 25, wherein the liquid sealer is a coal tar emulsion.

30. The asphalt paving method as set forth in claim 25, wherein the liquid sealer is an asphalt emulsion.

31. The asphalt paving method as set forth in claim 25, wherein the liquid sealer includes a plastic material.

32. The asphalt paving method as set forth in claim 25, wherein the liquid sealer is a genite.

33. The asphalt paving method as set forth in claim 25, wherein act (c) includes  
5 rolling.

34. The asphalt paving method as set forth in claim 25, further comprising partially compacting the uncompacted asphalt on the sub-base before the act (b).

10 35. The asphalt paving method as set forth in claim 25, wherein a plurality of voids are defined in the asphalt mat adjacent the upper surface, and wherein act (b) includes filling a portion of the plurality of voids with liquid sealer.

15 36. The asphalt paving method as set forth in claim 25, further comprising spreading an aggregate on the upper surface.